

The IBM Personal Computer

A powerful, affordable
tool for education.

IBM

COMPOSITIONS

Name

Jane Turner

School

Van Buren

Subject

Personal Computer

The System.

The IBM Personal Computer excels in school work.

It can help the Board of Education work out a budget as easily as it can help a fourth-grader figure out fractions. It helps make classroom learning activities more productive, more creative and more fun.

A big job for a small computer? Not one as powerful as the IBM Personal Computer. Its System Unit (the computer part of the computer) can complete about 250,000 data transfers, additions, subtractions and such *each second*, so even complex calculations are virtually instantaneous.

Since the more a computer can remember, the more you can do with it, plug-in memory chips let you increase the user memory from 16,000 bytes (about eight double-spaced typewritten pages) to 64,000 bytes (a good-sized term paper). Using the built-in System Expansion slots, the memory can be incrementally increased to 512,000 bytes (about 256 pages)—all within the System Unit itself, a box no bigger than a briefcase.

As simple to use as any personal computer. Maybe simpler.

For all its power, the IBM Personal Computer is easy to use. Consider the keyboard. It's separate from the System Unit and attaches by a six-foot cord similar to a telephone's. You can move the keyboard where you want, even hold it in your lap.

The typing angle is adjustable, too. All 83 keys are Typamatic and are arranged in conventional typewriter fashion. Each time you press a key, there's audible and tactile feedback, which means there's no vagueness to the keyboard action.

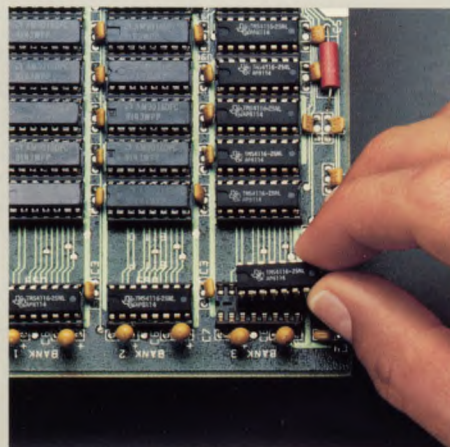
As an added touch, the keyboard gives you a ten-key numeric pad that works just like a calculator and a set of ten function keys. An IBM exclusive, the programmable function keys let you type in complex or often repeated entries with one finger. That saves time and helps eliminate errors.

Everything you ask the computer to do is presented to you on an easy-to-read, high resolution monochrome screen. With the graphics option, information can be displayed on an optional color monitor or an ordinary color television with an RF modulator. The graphics option also lets you choose from sixteen foreground and eight background colors.

As affordable as it is extraordinary.

With its built-in features and its software packages, the IBM Personal Computer gives you extraordinary quality, power and performance. What's really extraordinary, however, is that it gives it all to you at such an affordable price.

Because it's the IBM Personal Computer, it's also backed by IBM support. That's another good reason why when it comes to choosing a computer for education, educators are making IBM their personal choice.



Plug-in memory chips let you increase user memory from 16,000 bytes (characters) to 64,000 bytes in 16,000 byte increments.



The System.



**A powerful tool
to help a teacher teach.**



The IBM Personal Computer is a helpful teaching assistant. A high school teacher, for instance, can use it to present abstract concepts in simple terms, or to construct experimental models that would otherwise be too costly to carry out, everything from mapping the moon to flying a physics class to a black hole.

In elementary school, its educational games can make child's play of number theories and grammar simple to grasp.

It can even help lead the class in instructional drills in math, history, science, foreign languages, music or almost any subject that comes to mind.

An ever expanding variety of interactive software turns the IBM Personal Computer into a personal tutor.

A teacher can use the computer to construct "what if" models that allow students to test literally hundreds of possible solutions.



**A personal tutor.
For every person in class.**

For one-to-one instruction, the IBM Personal Computer is in a class by itself. Far from simply listing facts and figures, it explains them using words and pictures. It can ask questions, or pose problems. It can reward the student when the answer is correct, or explain the reasons when the answer isn't.

The processing speed of the IBM Personal Computer means responses are virtually instantaneous. The student doesn't lose interest waiting for the computer to "check" the work. Progress is constantly monitored. As the student becomes more proficient, the exercises become more difficult, which helps lead to greater achievement.

Whether it's used for remedial or supplementary learning, the IBM Personal Computer provides instruction that's truly individualized to the student's needs. And it can do it for every student in the class.

A friendly computer.
Whether learning to use it
or using it to learn.

The IBM Personal Computer is designed to be "user friendly" which means that communicating with it is simple and fun. With assistance, even a young child can work with it to develop basic learning skills.

As the child gets better at using the computer, a world of possibilities opens up. He or she can even program it to do all sorts of wonderful things. Since the IBM Personal Computer can be programmed with

the popular, easy-to-use BASIC language, a child doesn't have to be a computer wizard to work with it.

Of course, if a child *wants* to be a computer wizard, the IBM Personal Computer can help there, too. In addition to three levels of BASIC, it can also offer COBOL, two types of FORTRAN and Pascal, and three different assembler language programs.

What all this suggests, of course, is that choosing the IBM Personal Computer can be pretty much an academic decision.



Imaginative instructional games are an enjoyable way to learn.

Arithmetic Games, by Science Research Associates, Inc., provides arithmetic drills and problem-solving programs.

In *Beano*, for example, students must add, subtract, multiply or divide the numbers on the dice to fill spaces on their playing cards.



Fact Track, by Science Research Associates, Inc., offers a program organized by levels of difficulty in which the mastery of 390 questions can be measured in two ways—correct answer and rate of response.

In Administration.

In administration, the IBM Personal Computer can function as a financial tool, a word processor or a data management system.



Academics aside,
the IBM Personal Computer
is still an excellent choice.

Explore a world of information.

The IBM Personal Computer
gives you something else
no other personal computer
gives you. IBM.

The IBM Personal Computer is powerful enough and versatile enough to do just about anything a person needs to do with information. It can help with administrative tasks as surely as it can help a teacher teach or a student study.

It can keep track of schedules and attendance records, provide ongoing curriculum evaluations, analyze test results, record and retrieve student grades and generally help to free an administrator of a lot of administrative paper work. It can even fill out report cards.

It accepts a variety of financial programs that can handle the accounting needs of everything from the lunch program to an entire school system. It can take care of accounting for grants, contracts and proposals, too, and lets you store the information locally for added confidentiality and security.

The IBM Personal Computer also works as a word processor. So you can use it to compose correspondence and revise, rearrange and edit text. Then it will print it all letter perfect on an optional graphics printer as fast as 80 characters a second.

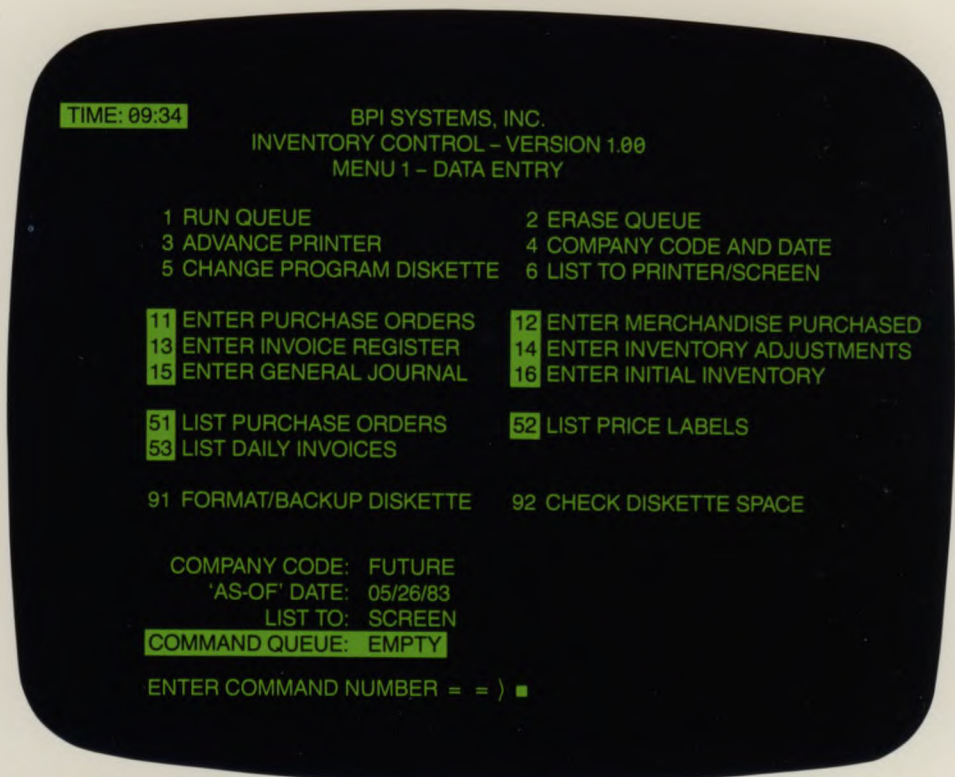
In addition to quality software produced by IBM, the IBM Personal Computer accepts software from a variety of suppliers.

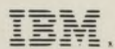
The IBM Personal Computer has tremendous communications capabilities that can turn it into an effective tool for research and planning. You can easily transfer data from one Personal Computer to another, or exchange information with a larger host computer. What's more, you can literally plug into a world of information using your telephone and a device called a modem.

As you can see, there are a number of good reasons to consider the IBM Personal Computer. Now, consider that it comes from IBM, which means it comes with the quality service and support that you expect from IBM.

More important, an IBM Personal Computer helps put you at the leading edge of technology. When you choose the IBM Personal Computer, you're in very good company.

Call your IBM Marketing Representative and ask for a demonstration. You'll see firsthand why the IBM Personal Computer is a powerful, affordable tool for education in these modern times.





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